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Chen 5-11

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ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE**

Application Number	09/772,093
Filing Date	01/16/2001
First Named Inventor	Feng Chen
Art Unit	2634
Examiner Name	not yet assigned
Attorney Docket Number	Chen 5-11

**I hereby revoke all previous powers of attorney given in the above-identified application:**☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

46900

☐ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:

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I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71  
Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

David L. Smith

Date

Telephone

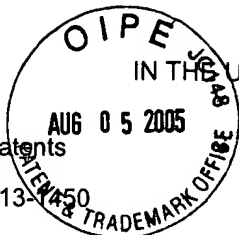
(610) 712-3784

**NOTE:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Alexandria, VA 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**PATENT**

Re: Attorney Docket No. Chen 5-11

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/772,093 Filed/Issued Date: 01/26/2001

Entitled: Receiver and Low Power Digital Filter Thereof

Agere Systems Inc.

(Name of Assignee)

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

States that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A Chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Lucent Technologies, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 011498, Frame 0518, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other document in the chain of title are attached.  
[Note: A separate copy (i.e., the original assignment document or a true copy of the original documents) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Respectfully submitted,

Steve Mendelsohn

Steve Mendelsohn  
Registration No. 35,951  
Attorney for Assignee  
(215) 557-6657

Date: 8/3/05  
Customer No. 46900  
Mendelsohn & Associates, P.C.  
1500 John F. Kennedy Blvd., Suite 405  
Philadelphia, Pennsylvania 19102

**EXECUTION COPY**

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**PATENT ASSIGNMENT****by and between****LUCENT TECHNOLOGIES INC.****and****AGERE SYSTEMS GUARDIAN CORP.****Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

Execution Copy

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**LUCENT TECHNOLOGIES INC.**By: 

Daniel P. McCurdy  
President, Intellectual Property Business

**AGERE SYSTEMS GUARDIAN CORP.**By: 

Fred M. Romano  
President

Execution Copy

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

ss:

COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name

TAMORA ANNE HANNA

Notary Public

Notary Public of New Jersey

My Commission Expires: Registered in Hunterdon County

My Commission Expires March 25, 2002

[Notarial Seal]

STATE OF FLORIDA )

ss:

COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.

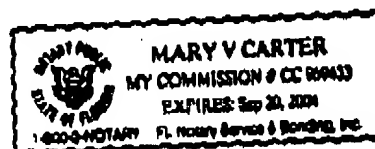


Name

Notary Public

My Commission Expires:

[Notarial Seal]



## Transferred Patents (patent disclosures)

IDS No.	Inventors	Subject Matter
123300	Sean W McGee; Victor A Bennett	HW Detected Context Switch
123301	Leslie Zschar; Sean W McGee	Virtual Reset Of Context Data
123305	John D Leighton; Jonathan P Comeau; Carl F Elliott	Dual-Sense Impedance-Matched Reader
123318	Lisa Fredrickson	Parallel Read-Write Interleaver For ADSL
123321	Alfred Earl Dunlop; William Burr Andrews; Harold Norman Scholz; John Philip Fishburn	A Unique Signal Distribution Scheme In An Field Programmable Gate Array (FPGA) OR Field Programmable System Chip (FPSC) To Include Cycle Stealing Units Adapted To Enable Clock Skew Between Individual Distribution Sinks
→ 123323	Feng Chen; Jiancheng Mo	A Low Power Digital Matched Filter For DS-CDMA System
123324	Khalil Camille Haddad	A New Algorithm For Channel Impulse Response Shortening For Discrete Multitone Based Broadband Modems
123345	Ranbir Singh; Michael Scott Carroll; Tony G. Ivanov	Method For DC And RF Shielding Of Integrated Circuits
123346	Jerome Teu-Rong Chu; Sidhartha Sen	A Method Of Manufacturing Modular, Highly Linear MOS Capacitors By Additional Implantation.
123347	Jinghui Ning	Reticle Shering Between LDD/Halo and S/D
123348	Jennifer Lynne Drown; Kim Elshot; Erik Cho Houge; Terri Lynn Shofner; Tingkwan Cheung	Inline Grain Size And Crystallography By Electron Diffraction And Variable Scan Algorithms
123353	Sailesh Chittipeddi; Yehuda Smoocha	A Technique For Forming Capacitors For ESD Protection For I/O's At The Same Time As STI Trenches
123382	Miron Abramovici	Identifying Sequentially Untestable Faults By Multiple-Stem Analysis
123383	Miron Abramovici; Charles Eugene Stroud; John Martin Emmert	Adjusting The Clock Frequency In Fault-Tolerant Systems.
123427	James Frederick Hoff; Cort D Lansenderfer; Don Mccarley; Richard George Stuby; Ju-Yuan David Yang; Zheng Chen; Barry Kevin Britton; Ravikumar Kuttamparambath C	Multi-Master System Bus in an FPGA
123432	Moon Soo Park; Anpel Pan; Yong-Kwan Park; Felix Anigbo; Gerard Edmond Hensin	Low-Cost WDM Technology In An Access Network and Corresponding WDM Device
123433	Bradley Paul Barber	Method For Self-Alignment Of Patterned Material Layers In Thin Film Acoustic Devices
123438	Michael Steigerwald; Yiu-Huen Wong; Susan M Zahurak	Process For Fabricating Device Comprising Ta2O5 Layer
123441	Randall L Findley	Fast Queue Selection For "Round-Robin Of Free Queues" Arbitration
123442	Jalaludeen Ca; Nandakumar Gn	Software Lock To Protect Laptops Connected To A Network
123444	Leslie Zschar; Sean W McGee; David Allen Brown; David P Sonnier; Victor A Bennett	Internal Function Bus
123445	David Allen Brown	Checksum Hardware Engine
123448	Thaddeus John Gabara	Self-Test Flip-Flop

# Delaware

PAGE 1

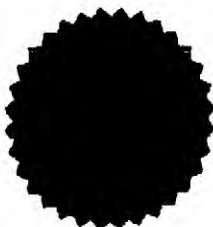
## The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,  
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545229

DATE: 08-29-02

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:00 AM 08/29/2002  
020345223 - 3268412

**CERTIFICATE OF OWNERSHIP AND MERGER****OF**

**Agere Systems Guardian Corp.**  
(a Delaware corporation)

**INTO**

**Agere Systems Inc.**  
(a Delaware corporation)

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), **DOES HEREBY CERTIFY:**

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By Paul Bento  
Paul Bento, Vice President

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